



UNITED STATES PATENT AND TRADEMARK OFFICE



UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|---|-------------|----------------------|---------------------|--------------------------|
| 10/568,722 | 11/14/2006 | Niclas Eriksson | 150-336 | 7072 |
| 7590 | 08/26/2008 | | | EXAMINER |
| Steven S Payne 1101 17th Street NW Suite 1005 Washington, DC 20036 | | | | GRAVINI, STEPHEN MICHAEL |
| | | | ART UNIT | PAPER NUMBER |
| | | | 3749 | |
| | | | | MAIL DATE |
| | | | | 08/26/2008 |
| | | | | DELIVERY MODE |
| | | | | PAPER |

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

| | | |
|------------------------------|------------------------|---------------------|
| Office Action Summary | Application No. | Applicant(s) |
| | 10/568,722 | ERIKSSON ET AL. |
| | Examiner | Art Unit |
| | Stephen Gravini | 3749 |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

A SHORTENED

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 35 U.S.C. § 133(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 06 June 2007.

2a) This action is FINAL. 2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 20-36 is/are pending in the application.
4a) Of the above claim(s) _____ is/are withdrawn from consideration.
5) Claim(s) _____ is/are allowed.
6) Claim(s) 20-36 is/are rejected.
7) Claim(s) _____ is/are objected to.
8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on 14 November 2006 is/are: a) accepted or b) objected to by the Examiner.

 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All b) Some * c) None of:

1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) Notice of References Cited (PTO-892)
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date 20070217.

4) Interview Summary (PTO-413)
Paper No(s)/Mail Date. .
5) Notice of Informal Patent Application
6) Other: .

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 20, 27-28, and 31 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by Bothe et al. (US 5,220,753). The face of that reference discloses each of the claimed features.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

Claims 21-26 and 29-30 and 32-36 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bothe in view of Hobbs et al. (US 4,050,900). Bothe discloses the

claimed invention as rejected above, except for the claimed wavelength ranges and reflective material. It would have been an obvious matter of design choice to recite those features, since the teachings of Bothe would perform the invention as claimed regardless of the claimed wavelength or material. Furthermore, Bothe in view of Hobbs discloses the claimed invention, except for the claimed dampers and control system. Hobbs, another method for dehumidification and/or sanitation of sewage sludge, discloses those features at column 8 line 67 through column 9 line 24. It would have been obvious to one skilled in the art to combine the teachings of Bothe with the dampers and control system disclosed in Hobbs for the purpose of providing a more efficient control dehumidification process in a cost effective controlled manner.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Stephen Gravini whose telephone number is 571 272 4875. The examiner can normally be reached on normal weekday business hours (east coast time).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Steven B. McAllister can be reached on 571 272 6785. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Stephen Gravini/
Primary Examiner, Art Unit 3749

| | | | | |
|-----------------------------------|--|-------------------------|--|------------------|
| Notice of References Cited | | Application/Control No. | Applicant(s)/Patent Under Reexamination ERIKSSON ET AL. | |
| | | 10/568,722 | Examiner Stephen Gravini | Art Unit 3749 |
| U.S. PATENT DOCUMENTS | | | | |

| * | | Document Number Country Code-Number-Kind Code | Date MM-YYYY | Name | Classification |
|---|---|--|-----------------|--------------|----------------|
| * | A | US-5,220,733 | 06-1993 | Bothe et al. | 34/426 |
| * | B | US-4,050,900 | 09-1977 | Hobbs et al. | 422/189 |
| | C | US- | | | |
| | D | US- | | | |
| | E | US- | | | |
| | F | US- | | | |
| | G | US- | | | |
| | H | US- | | | |
| | I | US- | | | |
| | J | US- | | | |
| | K | US- | | | |
| | L | US- | | | |
| | M | US- | | | |

FOREIGN PATENT DOCUMENTS

| * | | Document Number Country Code-Number-Kind Code | Date MM-YYYY | Country | Name | Classification |
|---|---|--|-----------------|---------|------|----------------|
| | N | | | | | |
| | O | | | | | |
| | P | | | | | |
| | Q | | | | | |
| | R | | | | | |
| | S | | | | | |
| | T | | | | | |

NON-PATENT DOCUMENTS

| | | |
|---|---|---|
| * | | Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages) |
| | U | |
| | V | |
| | W | |
| | X | |

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

Receipt date: 02/17/2006

JAP20 Rec'd PCT/PTO 17 FEB 2006

PTO/SB/08A (07-05)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | |
|--|----|------------------------|-----------------|
| Substitute for form 1449/PTO | | Complete if Known | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | Application Number | 1111568722 |
| | | Filing Date | 02/10/2006 |
| | | First Named Inventor | Niclas Eriksson |
| | | Art Unit | |
| | | Examiner Name | |
| Sheet | of | Attorney Docket Number | |
| | | 150-336 | |

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Shee

of

| | |
|------------------------|-----------------|
| Complete if Known | |
| Application Number | 1117568722 |
| Filing Date | 02/10/2006 |
| First Named Inventor | Niclas Eriksson |
| Art Unit | |
| Examiner Name | |
| Attorney Docket Number | 150-336 |

U. S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
|--------------------|-----------------------|---------------------------|---|---|---|----------------|
| | | Country Code ² | Number ³ Kind Code ⁴ (if known) | | | |
| /S.G/ | WO 0237043 | | 05/10/2002 | Kerttu Eriksson | Claims 1-3,6,8-13 | ✓ |
| /S.G/ | WO 8808949 | | 11/17/1988 | IMATRAN VOIMA OY | Abstract | ✓ |
| /S.G/ | FR 2695196 | | 03/04/1994 | Jacrays Equipements | Abstract | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English-language Transcription is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Comptroller for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

TC3700

| | | |
|---|-------|------------------|
| Organization | 3/100 | Bldg. 1, Rm. 111 |
| UNITED STATES PATENT AND TRADEMARK OFFICE | | |

P.O. Box 1450
Alexandria, VA 22313-1450
If Undeliverable Return In Ten Days

Official Business
Penalty For Private Use, \$300



400.55
AUG 26 2008
LIBRARY OF CONGRESS

MAILED FROM ZIPCODE 22314

RECEIVED

AUG 28 2008

1 US PIG MAIL CENTER
1 13071 00 05-27/08
FORWARD TIME EXP RTN TO SEND
: STEVEN PAYNE
6027 TULLIFF DR
DOON LORING VA 220027-1210

RETURN TO SENDER